PAPER ID-310812

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Subject Code: BP704T

Roll No: | | |

B PHARM
(SEM-VII) THEORY EXAMINATION 2020-21
NOVEL DRUG DELIVERY SYTEM

Time: 3 Hours *Total Marks: 75*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. **10 x 2 = 20**

a.	Define microparticles.
b.	Define microencapsulation.
c.	Classify GRDDS
d.	Name four methods of microencapsulation along with examples
e.	What are monoclonal anti bodies?
f.	Polymer Matrix Diffusion-Controlled DDS
g.	Define Hydrodynamic pressure activate DDS
h.	Factors considered while development of nasal drug delivery system.
i.	Give Biomedical application of Nasal DDS
j.	Classify polymers.

SECTION B

2. Attempt any *two* parts of the following: **2 x 10 = 20**

a.	Discuss implantable drug delivery system with special emphasis on osmotic pump.
b.	Enumerate formulation approaches of TDDS.
c.	Development of IUDs. What are its advantages & disadvantages?

SECTION C

3. Attempt any *five* parts of the following: **7 x 5 = 35**

a.	Define targeted drug delivery system and explain its approaches.
b.	What are intra ocular barriers? Write a note on oeusert.
c.	Discuss metered dose inhalers.
d.	Discuss floating drug delivery system.
e.	Write a note on liposomes, niosomes and nanoparticles
f.	Explain the principles of bioadhesion. Give advantages and disadvantages of mucosal drug delivery system.
g.	Draw a neat labeled diagram of skin. Discuss the factors affecting skin permeation.

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